

CDN Resource Laboratories Ltd.

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REFERENCE MATERIAL: CDN-ME-1310

Recommended values and the “Between Lab” Two Standard Deviations

<i>Gold</i>	<i>0.063 g/t ± 0.016 g/t</i>	<i>Provisional value</i>
<i>Platinum</i>	<i>0.433 g/t ± 0.038 g/t</i>	<i>Certified value</i>
<i>Palladium</i>	<i>0.563 g/t ± 0.040 g/t</i>	<i>Certified value</i>
<i>Silver</i>	<i>1.0 g/t</i>	<i>Indicated value</i>
<i>Nickel</i>	<i>0.379 % ± 0.025 %</i>	<i>Certified value</i>
<i>Copper</i>	<i>0.276 % ± 0.022 %</i>	<i>Certified value</i>
<i>Cobalt</i>	<i>0.019 % ± 0.002 %</i>	<i>Certified value</i>

Note: Standards with an RSD of near or less than 5% are certified, RSD's of between 5% and 15% are Provisional, and RSD's over 15% are Indicated. Provisional and Indicated values cannot be used to monitor accuracy with a high degree of certainty.

PREPARED BY: CDN Resource Laboratories Ltd.
CERTIFIED BY: Duncan Sanderson, B.Sc., Licensed Assayer of British Columbia
INDEPENDENT GEOCHEMIST: Dr. Barry Smee., Ph.D., P. Geo.
DATE OF CERTIFICATION: March 19, 2014

METHOD OF PREPARATION:

Reject ore material was dried, crushed, pulverized and then passed through a 270 mesh screen. The +270 material was discarded. The -270 material was mixed for 5 days in a double-cone mixer. Splits were taken and sent to fifteen laboratories for round robin assaying.

ORIGIN OF REFERENCE MATERIAL:

The raw material for CDN-ME-1310 was obtained from the Wellgreen Complex, Yukon Territory, Canada. It is an altered peridotite which contains essentially antigorite and small amounts of chlorite and accessory magnetite and chromite. The peridotite contains pyrrhotite, pentlandite and chalcopyrite all either enclosed, penetrated or intergrown with magnetite. Violarite occurs as inclusions in the pyrrhotite. Tellurides were observed which have been tentatively identified as platinum group complexes.

Approximate chemical composition (by whole rock analysis) is as follows:

	Percent		Percent
SiO ₂	37.7	MgO	25.9
Al ₂ O ₃	5.3	K ₂ O	0.2
Fe ₂ O ₃	15.8	TiO ₂	0.5
CaO	4.5	LOI	8.4
Na ₂ O	0.1	S	1.7

Statistical Procedures:

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ±2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data. This method is different from that used by Government agencies in that the actual “between-laboratory” standard deviation is used in the calculations. This produces upper and lower limits that reflect actual individual analyses rather than a grouped set of analyses. The limits can therefore be used to monitor accuracy from individual analyses, unlike the Confidence Limits published on other standards.

Assay Procedures:

Au, Pt, Pd: Fire assay pre-concentration, AA or ICP finish (30g sub-sample).
Ag, Cu, Co, Ni: 4-acid digestion, AA or ICP finish.

REFERENCE MATERIAL CDN-ME-1310

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
SAMPLE	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t	Au g/t
ME-1310-1	0.065	0.075	0.044	0.063	0.068	0.063	0.067	0.062	0.059	0.052	0.070	0.058	0.063	0.06	0.063
ME-1310-2	0.067	0.095	0.034	0.064	0.057	0.091	0.063	0.058	0.056	0.071	0.070	0.050	0.058	0.06	0.056
ME-1310-3	0.073	0.079	0.056	0.068	0.066	0.072	0.075	0.064	0.073	0.067	0.070	0.064	0.117	0.08	0.052
ME-1310-4	0.071	0.062	0.054	0.069	0.072	0.064	0.060	0.066	0.055	0.055	0.067	0.053	0.066	0.08	0.059
ME-1310-5	0.066	0.061	0.049	0.066	0.062	0.129	0.069	0.058	0.080	0.053	0.059	0.049	0.115	0.07	0.054
ME-1310-6	0.059	0.064	0.042	0.069	0.058	0.081	0.052	0.066	0.061	0.065	0.057	0.064	0.057	0.08	0.057
ME-1310-7	0.077	0.078	0.043	0.061	0.062	0.081	0.062	0.057	0.057	0.062	0.057	0.062	0.060	0.06	0.055
ME-1310-8	0.054	0.069	0.033	0.068	0.069	0.125	0.061	0.063	0.059	0.075	0.070	0.073	0.052	0.06	0.065
ME-1310-9	0.077	0.066	0.049	0.064	0.072	0.053	0.091	0.063	0.075	0.056	0.067	0.089	0.068	0.06	0.060
ME-1310-10	0.057	0.079	0.045	0.062	0.074	0.054	0.065	0.057	0.059	0.058	0.063	0.069	0.058	0.06	0.055
Mean	0.067	0.073	0.045	0.065	0.066	0.081	0.067	0.061	0.063	0.061	0.065	0.063	0.071	0.067	0.058
Std. Dev'n	0.0081	0.0105	0.0075	0.0030	0.0060	0.0270	0.0105	0.0036	0.0090	0.0079	0.0055	0.0120	0.0240	0.0095	0.0041
%RSD	12.14	14.47	16.81	4.57	9.12	33.17	15.82	5.86	14.23	12.87	8.52	19.08	33.55	14.16	7.14
	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t	Pt g/t
ME-1310-1	0.427	0.407	0.360	0.424	0.451	0.432	0.404		0.450	0.425	0.412	0.424	0.459	0.43	0.409
ME-1310-2	0.436	0.428	0.370	0.438	0.419	0.479	0.418		0.420	0.408	0.399	0.414	0.471	0.44	0.381
ME-1310-3	0.447	0.379	0.370	0.439	0.448	0.418	0.413		0.430	0.446	0.405	0.382	0.452	0.45	0.405
ME-1310-4	0.450	0.420	0.330	0.443	0.469	0.437	0.451		0.450	0.448	0.411	0.410	0.442	0.43	0.435
ME-1310-5	0.445	0.423	0.350	0.448	0.454	0.460	0.434		0.460	0.441	0.406	0.405	0.490	0.44	0.390
ME-1310-6	0.439	0.418	0.260	0.455	0.405	0.452	0.429		0.430	0.438	0.439	0.364	0.451	0.41	0.378
ME-1310-7	0.466	0.422	0.310	0.453	0.431	0.409	0.426		0.440	0.421	0.409	0.444	0.442	0.43	0.406
ME-1310-8	0.434	0.459	0.310	0.453	0.412	0.450	0.399		0.460	0.465	0.427	0.426	0.452	0.44	0.393
ME-1310-9	0.448	0.373	0.340	0.449	0.439	0.454	0.416		0.460	0.437	0.422	0.435	0.456	0.47	0.361
ME-1310-10	0.434	0.410	0.340	0.444	0.440	0.411	0.407		0.450	0.442	0.429	0.446	0.482	0.43	0.396
Mean	0.443	0.414	0.334	0.445	0.437	0.440	0.420		0.445	0.437	0.416	0.415	0.460	0.437	0.395
Std. Dev'n	0.0111	0.0246	0.0337	0.0093	0.0201	0.0229	0.0157		0.0143	0.0159	0.0127	0.0263	0.0163	0.0157	0.0202
%RSD	2.50	5.94	10.10	2.10	4.61	5.20	3.73		3.22	3.63	3.06	6.33	3.54	3.59	5.12
	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t	Pd g/t
ME-1310-1	0.560	0.542	0.450	0.532	0.569	0.586	0.547		0.580	0.545	0.527	0.536	0.605	0.55	0.506
ME-1310-2	0.576	0.543	0.481	0.550	0.553	0.565	0.558		0.560	0.565	0.524	0.564	0.604	0.56	0.445
ME-1310-3	0.573	0.478	0.481	0.552	0.578	0.575	0.559		0.570	0.551	0.533	0.512	0.608	0.56	0.505
ME-1310-4	0.577	0.542	0.424	0.559	0.582	0.591	0.570		0.580	0.558	0.541	0.545	0.587	0.56	0.544
ME-1310-5	0.571	0.544	0.449	0.561	0.577	0.594	0.567		0.580	0.552	0.529	0.522	0.653	0.56	0.484
ME-1310-6	0.572	0.564	0.335	0.571	0.526	0.600	0.553		0.570	0.566	0.547	0.500	0.620	0.55	0.457
ME-1310-7	0.594	0.534	0.397	0.579	0.556	0.573	0.570		0.570	0.535	0.547	0.589	0.593	0.54	0.512
ME-1310-8	0.565	0.552	0.396	0.567	0.532	0.593	0.556		0.580	0.581	0.548	0.560	0.603	0.57	0.495
ME-1310-9	0.577	0.549	0.466	0.577	0.579	0.600	0.562		0.580	0.560	0.554	0.587	0.591	0.57	0.476
ME-1310-10	0.566	0.549	0.431	0.569	0.562	0.568	0.536		0.560	0.546	0.533	0.581	0.636	0.55	0.500
Mean	0.573	0.540	0.431	0.562	0.561	0.585	0.558		0.573	0.556	0.538	0.550	0.610	0.557	0.492
Std. Dev'n	0.0092	0.0229	0.0454	0.0142	0.0198	0.0132	0.0106		0.0082	0.0130	0.0104	0.0318	0.0209	0.0095	0.0285
%RSD	1.613	4.25	10.54	2.53	3.53	2.25	1.91		1.44	2.34	1.93	5.78	3.42	1.70	5.78

NOTES: Pt data from Laboratory 3 was excluded for failing the “t” test.
 Pd data from Laboratories 3 and 15 was excluded for failing the “t” test.
 Laboratory 8 was unable to supply Pt, Pd data.

REFERENCE MATERIAL CDN-ME-1310

Results from round-robin assaying:

	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t	Ag g/t
ME-1310-1	0.7	<0.5	<2	1.2		1.1	1.1	1.3	1.1	0.6	0.8	0.8	0.8	<0.5	1.1
ME-1310-2	0.8	<0.5	<2	1.0		1.2	1.0	1.2	1.2	0.6	0.8	0.8	0.9	<0.5	1.4
ME-1310-3	0.7	<0.5	<2	1.0		1.3	1.0	1.4	1.2	0.7	0.6	0.9	0.9	<0.5	1.3
ME-1310-4	0.8	<0.5	<2	1.1		1.2	1.0	1.1	1.2	0.6	0.6	0.8	0.9	<0.5	1.1
ME-1310-5	0.6	<0.5	<2	1.1		1.0	1.1	1.2	1.2	0.7	0.8	0.8	0.8	<0.5	1.4
ME-1310-6	0.8	<0.5	<2	1.0		1.1	1.0	1.4	1.3	0.7	0.8	0.9	0.9	<0.5	1.3
ME-1310-7	0.7	<0.5	<2	1.2		1.3	1.0	1.3	1.3	0.7	0.8	0.8	0.8	<0.5	1.1
ME-1310-8	0.8	<0.5	<2	1.2		1.1	1.0	1.2	1.2	0.7	0.8	0.8	0.8	<0.5	1.2
ME-1310-9	0.7	<0.5	<2	1.3		1.2	1.1	1.1	1.2	0.7	0.7	0.8	0.8	<0.5	1.1
ME-1310-10	0.8	<0.5	<2	1.1		1.1	1.0	1.0	1.0	0.6	0.8	0.8	0.9	<0.5	1.4
Mean	0.740			1.120		1.16	1.03	1.22	1.19	0.660	0.75	0.82	0.85		1.24
Std. Dev'n	0.0699			0.1033		0.0966	0.0483	0.1317	0.0876	0.0516	0.0850	0.0422	0.0527		0.1350
%RSD	9.45			9.22		8.33	4.69	10.79	7.36	7.82	11.33	5.14	6.20		10.89
	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm	Co ppm
ME-1310-1	185	204	169	194	190	187	141	182	209	186	190	189	181	174	153
ME-1310-2	187	199	170	203	190	187	145	192	218	179	190	193	183	176	155
ME-1310-3	186	203	173	200	190	190	147	186	214	190	189	190	180	175	158
ME-1310-4	188	203	171	200	190	190	144	185	215	192	189	187	178	178	153
ME-1310-5	184	200	166	191	190	189	148	183	213	193	192	189	180	176	148
ME-1310-6	188	200	174	211	190	189	143	184	209	197	189	186	179	176	155
ME-1310-7	186	204	174	205	190	190	141	188	207	195	186	189	184	175	154
ME-1310-8	182	205	169	207	190	190	139	185	211	196	186	185	178	178	156
ME-1310-9	180	203	174	196	190	189	140	186	208	194	190	186	182	176	147
ME-1310-10	178	199	171	197	190	188	143	186	208	190	189	189	178	174	157
Mean	184	202	171	200	190	189	143	186	211	191	189	188	180	176	154
Std. Dev'n	3.4	2.2	2.7	6.3	0.0	1.2	3.0	2.8	3.6	5.4	1.8	2.4	2.2	1.4	3.6
%RSD	1.85	1.11	1.57	3.14	0.00	0.63	2.07	1.50	1.73	2.82	0.97	1.25	1.20	0.80	2.34
	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm	Cu ppm
ME-1310-1	2760	2864	2880	2861	2820	2546	2530	2717	2800	2380	2820	2740	2700	2569	2713
ME-1310-2	2840	2782	2880	2911	2850	2584	2580	2752	2906	2290	2850	2760	2750	2637	2698
ME-1310-3	2810	2812	2910	2841	2820	2616	2650	2716	2953	2410	2910	2700	2740	2632	2761
ME-1310-4	2830	2805	2820	2898	2880	2588	2610	2714	3030	2460	2890	2780	2650	2620	2732
ME-1310-5	2790	2798	2790	2823	2900	2582	2740	2686	2954	2460	2870	2730	2750	2653	2689
ME-1310-6	2790	2818	2930	2928	2840	2597	2640	2703	2965	2490	2830	2740	2650	2576	2762
ME-1310-7	2810	2725	2930	2923	2840	2599	2540	2745	2882	2490	2810	2660	2730	2580	2763
ME-1310-8	2690	2818	2900	2900	2860	2598	2510	2762	3071	2500	2870	2690	2680	2638	2729
ME-1310-9	2680	2764	2910	2882	2840	2609	2520	2718	2838	2470	2810	2720	2710	2642	2749
ME-1310-10	2660	2762	2850	2831	2880	2571	2560	2709	2877	2430	2850	2690	2640	2634	2768
Mean	2766	2795	2880	2880	2853	2589	2588	2722	2928	2438	2851	2721	2700	2618	2736
Std. Dev'n	65.9	38.3	46.9	38.6	26.7	20.1	72.5	23.6	83.8	64.4	34.1	36.3	42.9	31.0	28.8
%RSD	2.38	1.37	1.63	1.34	0.94	0.77	2.80	0.87	2.86	2.64	1.20	1.34	1.59	1.18	1.05
	Lab 1	Lab 2	Lab 3	Lab 4	Lab 5	Lab 6	Lab 7	Lab 8	Lab 9	Lab 10	Lab 11	Lab 12	Lab 13	Lab 14	Lab 15
	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm	Ni ppm
ME-1310-1	3930	3962	3380	4176	3950	3783	3606	3686	4240	3650	3810	3810	3640	3655	3452
ME-1310-2	4030	3872	3330	4196	4040	3819	3719	3856	4331	3540	3860	3860	3690	3715	3515
ME-1310-3	4000	3939	3400	4131	3940	3878	3784	3754	4395	3740	3830	3800	3630	3677	3589
ME-1310-4	4040	3918	3330	4193	4080	3836	3703	3744	4436	3800	3860	3780	3610	3745	3452
ME-1310-5	3950	3880	3290	4095	4130	3827	3784	3687	4326	3770	3880	3820	3670	3717	3494
ME-1310-6	4020	3866	3410	4216	4050	3860	3655	3768	4286	3880	3840	3750	3630	3704	3543
ME-1310-7	4030	3925	3400	4189	3960	3868	3639	3793	4234	3830	3800	3770	3800	3667	3458
ME-1310-8	3870	3949	3390	4211	4060	3854	3574	3754	4347	3840	3780	3740	3640	3751	3562
ME-1310-9	3870	3900	3440	4178	3980	3853	3574	3759	4250	3830	3840	3760	3730	3744	3450
ME-1310-10	3820	3811	3400	4102	4130	3832	3623	3783	4204	3710	3790	3810	3650	3695	3575
Mean	3956	3902	3377	4169	4032	3841	3666	3758	4305	3759	3829	3790	3669	3707	3509
Std. Dev'n	80.3	45.9	45.7	43.7	71.3	27.7	78.4	49.4	75.3	103.1	33.1	36.8	57.6	33.8	55.3
%RSD	2.03	1.18	1.35	1.05	1.77	0.72	2.14	1.32	1.75	2.74	0.87	0.97	1.57	0.91	1.58

NOTES: Co data from Laboratories 7, 9 and 15 was excluded for failing the “t” test.
Cu data from Laboratory 10 was excluded for failing the “t” test.
Ni data from Laboratories 3, 4 and 9 was excluded for failing the “t” test.
Laboratory 5 did not supply Ag data.

REFERENCE MATERIAL CDN-ME-1310

Participating Laboratories:

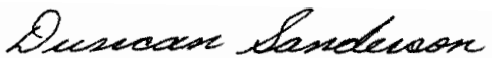
(not in same order as listed in table of results)

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Duncan Sanderson, Certified Assayer of B.C.

Geochemist


Dr. Barry Smee, Ph.D., P. Geo.